

In the Title:

Please amend the title to read as follows: COMMAND AND CONTROL SYSTEM AND METHOD FOR CONTROLLING OPERATIONAL SEQUENCING OF MULTIPLE TURBOGENERATORS USING A SELECTED CONTROL MODE.

In the Claims:

A full set of pending claims 1-15 is provided for the Examiner's convenience. New claims 16-32 are added. Please revise claims 1, 6, 9 and 12 as follows:

1 1. (Amended) A command and control system for a plurality of turbogenerators,
2 comprising:
3 a plurality of individual turbogenerators, each of said plurality of individual
4 turbogenerators having a controller;
5 a command and control system bus, each of said plurality of individual turbogenerator
6 controllers operably connected to said command and control system bus;
7 a plurality of disconnect switches, a disconnect switch provided in each operable
8 connection of an individual turbogenerator controller to said command and control bus;
9 a bi-directional power meter;
10 a master controller operably associated with each of the turbogenerator controllers and
11 with said bi-directional power meter to control operational sequencing of the individual
12 turbogenerators in a selected control mode; and
13 a junction box operably connecting an electric utility; said power meter, the output of the
14 plurality of individual turbogenerators, and a load.

1 2. (Unchanged) The command and control system of claim 1, and in addition:

2 a timed relay operably associated with said command and control system bus, said
3 bi-directional power meter, and said junction box to prevent the feedback of electrical power to
4 the electric utility.

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cont.
1 3. (Unchanged) The command and control system of claim 1, wherein said selected
2 control mode is a utility load following mode in which utility power consumption and
3 turbogenerator power generation are compared to produce an error signal which is integrated
4 over a defined specified time to produce a power demand signal.

1 4. (Unchanged) The command and control system of claim 1 wherein said selected
2 control mode is a utility base load mode in which a defined utility power signal and the power
3 meter signal are compared to produce an error signal which is integrated over a defined specified
4 time to produce a power demand signal.

1 5. (Unchanged) The command and control system of claim 1 wherein said selected
2 control mode is a base load mode in which the power meter signal and a base load demand signal
3 are compared to produce an error signal which is integrated over a defined specified time to
4 produce a power demand signal.

1 6. (Amended) The command and control system of claim 1 wherein said operational
2 sequencing includes the starting, stopping and loading of each of said plurality of individual
3 turbogenerators.

1 7. (Unchanged) The command and control system of claim 1 wherein said master
2 controller includes a sequencing and control logic system.

1 15. (Unchanged) The command and control system of claim 1 wherein said selected
2 control mode includes power hysteresis bands, rate limits and set points integrated over time.

Please add the following claims:

C2
Rule 1.124

1 ²⁵~~16~~ (New) A control system for a plurality of turbogenerators, comprising:
2 a plurality of turbogenerators, each of said plurality of individual turbogenerators having
3 a controller;
4 a control system bus, each of said plurality of turbogenerator controllers operably
5 connected to said control system bus;
6 { a switch provided in each operable connection of an individual turbogenerator controller
7 { to said control bus;
8 ✓ a power meter;
9 a master controller operably associated with each of the turbogenerator controllers and
10 with the power meter to control the operational sequences for the individual turbogenerators in a
11 selected control mode; and
12 a junction box operably connecting an electric utility; said power meter, the output of the
13 plurality of individual turbogenerators, and a load.

1 ²⁶~~17~~ (New) The control system of claim ²⁵~~16~~, further comprising:
2 a timed relay operably associated with said control system bus, said power meter, and
3 said junction box to prevent the feedback of electrical power to the electric utility.

1 ²⁷~~18~~ (New) The control system of claim ²⁵~~16~~, wherein said selected control mode is a
2 utility load following mode in which utility power consumption and turbogenerator power
3 generation are compared to produce an error signal which is integrated over a defined specified
4 time to produce a power demand signal.

C2
cont.

1 ~~14~~ ²⁸ ~~19~~ (New) The control system of claim ~~16~~ ²⁵ wherein said selected control mode is a
2 utility base load mode in which a defined utility power signal and the power meter signal are
3 compared to produce an error signal which is integrated over a defined specified time to produce
4 a power demand signal.

1 ~~15~~ ²⁹ ~~20~~ (New) The control system of claim ~~16~~ ²⁵ wherein said selected control mode is a
2 base load mode in which the power meter signal and a base load demand signal are compared to
3 produce an error signal which is integrated over a defined specified time to produce a power
4 demand signal.

1 ~~16~~ ³⁰ ~~21~~ (New) The control system of claim ~~16~~ ²⁵ wherein the operational sequences
2 includes a start sequence, a stop sequence and a load sequence.

1 ~~17~~ ³¹ ~~22~~ (New) The control system of claim ~~16~~ ²⁵ wherein said master controller includes a
2 sequencing and control logic system.

1 ~~18~~ ³² ~~23~~ (New) The control system of claim ~~22~~ ³¹ wherein said sequencing and control logic
2 system includes a proportional-plus-integrated control to regulate power demand.

1 ~~19~~ ³³ ~~24~~ (New) The control system of claim ~~21~~ ³⁰ wherein the start sequence is based on the
2 use time of each of said plurality of individual turbogenerators.

1 ~~20~~ ³⁴ ~~25~~ (New) The control system of claim ~~24~~ ³³ wherein the turbogenerator with the least
2 use time is started first.

1 ~~21~~ ³⁵ ~~26~~ (New) The control system of claim ~~24~~ ³³ wherein the turbogenerator with the most
2 use time is shut down first.

C2 cancelled
1 ¹² ~~36~~₂₇ (New) The control system of claim ³⁰ ~~21~~ wherein the start sequence of each of the
2 plurality of turbogenerators is selected to minimize the total power draw requirements.

1 ¹³ ~~37~~₂₈ (New) The control system of claim ³⁰ ~~21~~ wherein a turbogenerator is automatically
2 restarted in the event of a fault shutdown.

1 ¹⁴ ~~38~~₂₉ (New) The control system of claim ³⁰ ~~21~~ wherein an inactive turbogenerator is
2 automatically restarted in the event of a fault shutdown of an active turbogenerator.

1 ¹⁵ ~~39~~₃₀ (New) The control system of claim 1 wherein said selected control mode includes
2 power hysteresis bands, rate limits and set points integrated over time

1 ⁴⁰ ~~31~~ (New) The control system of claim ²⁵ ~~16~~ wherein the switch is a disconnect switch.

1 ⁴¹ ~~32~~ (New) The control system of claim ²⁵ ~~16~~ wherein the power meter is a bi-directional
2 power meter.